Performance Data Sheet

HGA5512CXC

General Information

Model	HGA5512CXC	**Refrigerant**	R-407C
Test Condition	ASHRAE	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5000			
	Watts (Power)				
	Amps	2.52			
	Lb/h	68.4			
-23.3	Btu/h	5140	5470		
	Watts (Power)				
	Amps	2.54	2.40		
	Lb/h	70.3	74.8		
-20	Btu/h	5430	5420		
	Watts (Power)				
	Amps	2.57	2.49		
	Lb/h	74.4	74.2		
-15	Btu/h	5950	5550	5790	
	Watts (Power)	167	237	315	
	Amps	2.62	2.62	3.00	
	Lb/h	81.5	76.0	79.2	
-10	Btu/h	6600	5930	5740	6100
	Watts (Power)	421	502	590	702
	Amps	2.65	2.73	3.18	3.69
	Lb/h	90.3	81.3	78.7	83.5
-6.7	Btu/h	7100	6340	5950	5980
	Watts (Power)	520	609	704	824
	Amps	2.65	2.79	3.29	3.83
	Lb/h	97.2	86.9	81.4	81.9
-5	Btu/h	7380	6600	6120	6020
	Watts (Power)	553	647	747	870
	Amps	2.65	2.82	3.34	3.90
	Lb/h	101	90.5	83.9	82.4
0	Btu/h	8340	7580	6950	6530
	Watts (Power)	596	704	819	955
	Amps	2.61	2.87	3.46	4.08
	Lb/h	114	104	95.3	89.4

5	Btu/h	9490	8890	8260	7650
	Watts (Power)	581	707	838	990
	Amps	2.52	2.87	3.54	4.22
	Lb/h	130	122	113	105
7.2	Btu/h	10100	9580	8990	8350
	Watts (Power)	565	699	838	997
	Amps	2.46	2.86	3.56	4.26
	Lb/h	138	131	123	114
10	Btu/h	10900	10600	10100	9420
	Watts (Power)	542	687	836	1010
	Amps	2.37	2.82	3.57	4.31
	Lb/h	149	145	138	129
15	Btu/h	12500	12600	12400	11800
	Watts (Power)	509	676	845	1030
	Amps	2.15	2.70	3.53	4.33
	Lb/h	171	173	170	162

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.063030E+04	1.378263E+02	7.086030E+00	1.455810E+02
C2	-5.179778E+01	-9.046429E+00	-8.905305E-02	-7.089357E-01
C3	-6.242432E+01	2.191217E+01	-3.450615E-01	-8.527212E-01
C4	-4.491232E+00	-1.273700E+00	-1.163418E-03	-6.155524E-02
C5	1.385735E+01	3.868536E-01	3.061142E-03	1.898098E-01
C6	-8.369205E-01	-3.047692E-01	8.139280E-03	-1.151289E-02
C7	3.372325E-02	4.287729E-02	-1.315954E-05	4.638447E-04
C8	2.794761E-01	4.271866E-03	5.788364E-06	3.828275E-03
C9	-1.714048E-01	-9.050744E-04	-1.731125E-05	-2.347844E-03
C10	1.229884E-02	2.778245E-03	-5.373160E-05	1.687965E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature